

CLAIMS

We claim:

1. An arrangement comprising:
an electronic component with terminal contacts,
a printed circuit board with electrical contacts, and
an at least partly flexible conductor support with a
plurality of interconnects, the conductor support providing
an electrical connection between the terminal contacts of the
optoelectronic component and the electrical contacts of the
printed circuit board, wherein a portion of the conductor
support that is connected to the printed circuit board is
arranged on an end face of the printed circuit board and
extends perpendicularly in relation to the surface of the
printed circuit board.
2. The arrangement as claimed in claim 1, wherein the
conductor support includes a first portion with first contact
regions for the connection to associated electrical contacts
of the printed circuit board and a second portion with second
contact regions for the electrical connection to the terminal
contacts of the electronic component, and the first contact
regions being in connection with electrical contacts of the
printed circuit board, which on the surface of the printed
circuit board are led up to the end face and are adjacent to
the latter.
3. The arrangement as claimed in claim 2, the first
portion of the conductor support having two rows of first
contact regions, the contact regions of the first row being
connected to electrical contacts on the one surface of the
printed circuit board and the contact regions of the second
row being connected to electrical contacts on the other
surface of the printed circuit board.

4. The arrangement as claimed in claim 1, the printed circuit board having adjusting structures and the conductor support having adjusting structures corresponding to them in the portion that is connected to the printed circuit board.

5. The arrangement as claimed in claim 4, the printed circuit board having at least one projection on the end face.

6. The arrangement as claimed in claim 4, the conductor support having in the portion that is connected to the printed circuit board at least one clearance corresponding to a projection of the printed circuit board.

7. The arrangement as claimed in claim 2, wherein the conductor support is bent approximately 180° between the first portion and the second portion.

8. The arrangement as claimed in claim 1, the flexible conductor support comprising a flexible conductor.

9. The arrangement as claimed in claim 1, the electrical components being an optoelectronic component comprising at least one of a light-generating element and a light-receiving element.

10. A conductor support comprising:
a plurality of interconnects formed on an at least partly flexible, planar dielectric;
a first portion defining a first width, the first portion having first contact regions for the connection of the interconnects to associated electrical contacts of a printed circuit board,
a second portion defining a second width, the second portion having second contact regions for the electrical

connection of the interconnects to the terminal contacts of an electronic component, and

a third portion, which extends between the first and second portions and has a third width which is narrower than the first width of the first portion and the second width of the second portion.

11. The conductor support as claimed in claim 10, the third portion being bent by 180°.

12. The conductor support as claimed in claim 10, the first portion having mechanical adjusting structures for the coupling of the first portion to a printed circuit board.

13. The conductor support as claimed in claim 12, the adjusting structures being formed as clearances in the conductor support.

14. The conductor support as claimed in claim 13, two clearances being provided in the conductor support, arranged symmetrically in relation to each other.

15. The conductor support as claimed in claim 11, the first portion of the conductor support having two rows of contact regions.

16. The conductor support as claimed in claim 11, the first portion of the conductor support being formed such that it is substantially rectangular.

17. The conductor support as claimed in claim 11, the second portion of the conductor support being formed such that it is substantially circular.

18. An arrangement comprising:

an electronic component including a terminal contact;
a printed circuit board having parallel upper and lower surfaces, and a peripheral edge extending between the upper and lower surfaces, the printed circuit board also including an electrical contact formed on one of the upper and lower surfaces; and

an at least partially flexible conductor support including an elongated conductor having a first contact region connected to the electrical contact formed on the printed circuit board, and a second contact region connected to the terminal contact of the electronic component,

wherein a first portion of the conductor support including the first contact region abuts the peripheral edge of the printed circuit board and extends perpendicular to the upper and lower surfaces.

19. The arrangement according to claim 18, wherein the conductor support further comprises:

a second portion including second contact region connected to the electronic component; and

a third portion extending between the first and second portions,

wherein the first and second portions define parallel planes.

20. The arrangement according to claim 19, wherein the third portion is bent approximately 180°.